

CLAIMS

1. A system for accessing a programmable automatism unit (10) based on a WAP architecture, for  
5 at least a standalone communicating mobile device (40), such as a portable telephone, which integrates a navigator (41) complying with WAP architecture, wherein the automatism unit (10) includes one or several pieces of automatism equipment, characterized by the fact that  
10 this system includes:

-a Web server (20), embedded in a piece of automatism equipment of the automatism unit (10), capable of generating static or dynamic informative data coded according to the WML language, whereby such  
15 informative data may provide functions for monitoring, viewing and controlling the automatism unit,

-a network interface (30), connected to the Web server (20) by a global network (25) of the Internet, Intranet or Extranet type which authorizes access to  
20 said informative data from the WAP navigator (41) of a communicating mobile device (40) through a wireless network (35), in such a way that a user of such a WAP navigator (41) may access functions for monitoring, viewing and controlling the automatism unit (10).

25 2. The access system according to claim 1, characterized by the fact that the network interface (30) comprises a WAP gateway (31) which, upon receiving from the Web server (20) informative data according to WML source contents, transforms them into compiled WML  
30 contents before transmitting them to a communicating mobile device (40).

3. The access system according to claim 1, wherein  
the automatism unit (10) comprises at least an  
industrial automaton (11) having a central processing  
unit, characterized by the fact that the Web server  
5 (20) is either embedded in the central processing unit  
of the automaton (11) or embedded in an automaton  
module connected to the central processing unit of the  
automaton (11).

4. The access system according to claim 1, wherein  
10 the automatism unit (10) comprises several industrial  
automata (11) having a central processing unit and  
access to a local or global automatism network (15),  
characterized by the fact that the Web server (20) is  
connected to the automatism network (15) in order to be  
15 able to communicate with the central processing units  
of these automata (11).

5. The access system according to claim 2,  
characterized by the fact that the Web server (20) may  
receive through the network interface (30), a WAP  
20 command (33) as a HTTP request specifying a URL address  
optionally associated with parameters which may notably  
contain complementary requests and, on answering this  
WAP command, the Web server (20) generates static or  
25 dynamic informative data in WML languages which may  
provide the user of a WAP navigator (41) implemented in  
a communicating mobile device (40), with functions for  
monitoring, viewing and controlling the automatism unit  
(10).

6. The access system according to claim 2,  
30 characterized by the fact that the Web server (20) may  
send, on its own initiative or on the initiative of the

automatism unit (10), a notification (22) to at least a communicating mobile device (40) by using the "Push Access Protocol" as defined in WAP architecture, so that the user of a WAP navigator (41) implemented in a 5 communicating mobile device may be informed on events or conditions concerning the automatism unit.

7. The access system according to claim 6, characterized by the fact that the Web server (20) includes in the notification (22) a list of addressees 10 which stems from an addressee directory stored in a local memory or in a remote memory on the global network (25).

8. A programmable automatism unit characterized by the fact that it enables at least a mobile device (40) 15 communicating through a wireless network (35) and integrating a WAP navigator (41), to access functions for monitoring, viewing and controlling the automatism unit (10) according to any of the preceding claims.